

Abstract for Otago Seminar 2011

Adaptive sampling: my journey that began in the Department of Mathematics and Statistics, Otago University.

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Adaptive sampling designs are becoming increasingly popular in environmental science particularly for surveying rare and aggregated populations. There are many different adaptive survey designs that can be used to estimate animal and plant abundances. The appealing feature of adaptive designs is that the field biologist gets to do what innately seems sensible when working with rare and aggregated populations – field effort is targeted around where the species is observed in the first wave of the survey.

In this presentation I will discuss some of these forms of adaptive sampling and my research in this subject. My research had a wonderful start having studied for my PhD in the Department of Mathematics and Statistics at Otago University, under the kind and wise guidance of Professor Bryan Manly, and supported by many dear friends in the department.